

JAVA.IO.PRINTSTREAM CLASS

http://www.tutorialspoint.com/java/io/java_io_printstream.htm

Copyright © tutorialspoint.com

Introduction

The **java.util.PrintStream** class adds functionality to another output stream, the ability to print representations of various data values conveniently.

Class declaration

Following is the declaration for **java.util.PrintStream** class:

```
public class PrintStream
    extends FilterOutputStream
    implements Appendable, Closeable
```

Field

Following are the fields for **java.util.PrintStream** class:

- **protected OutputStream out** -- This is the output stream to be filtered.

Class constructors

S.N.	Constructor & Description
1	PrintStream(File file) This creates a new print stream, without automatic line flushing, with the specified file.
2	PrintStream(File file, String csn) This creates a new print stream, without automatic line flushing, with the specified file and charset.
3	PrintStream(OutputStream out) This creates a new print stream.
4	PrintStream(OutputStream out, boolean autoFlush) This creates a new print stream.
5	PrintStream(OutputStream out, boolean autoFlush, String encoding) This creates a new print stream.
6	PrintStream(String fileName) This creates a new print stream, without automatic line flushing, with the specified file name.
7	PrintStream(String fileName, String csn) This creates a new print stream, without automatic line flushing, with the specified file name and charset.

Class methods

S.N.	Method & Description
1	<u>PrintStream append(char c)</u> This method appends the specified character to this output stream.
2	<u>PrintStream append(CharSequence csq)</u> This method appends the specified character sequence to this output stream.
3	<u>PrintStream append(CharSequence csq, int start, int end)</u> This method appends a subsequence of the specified character sequence to this output stream.
4	<u>boolean checkError()</u> This method flushes the stream and checks its error state.
5	<u>protected void clearError()</u> This method clears the internal error state of this stream.
6	<u>void close()</u> This method closes the stream.
7	<u>void flush()</u> This method flushes the stream.
8	<u>PrintStream format(Locale l, String format, Object... args)</u> This method writes a formatted string to this output stream using the specified format string and arguments.
9	<u>PrintStream format(String format, Object... args)</u> This method writes a formatted string to this output stream using the specified format string and arguments.
10	<u>void print(boolean b)</u> This method prints a boolean value.
11	<u>void print(char c)</u> This method prints a character.
12	<u>void print(char[] s)</u> This method prints an array of characters.
13	<u>void print(double d)</u> This method prints a double-precision floating-point number..
14	<u>void print(float f)</u> This method prints a floating-point number.
15	<u>void print(int i)</u> This method prints an integer.
16	<u>void print(long l)</u> This method prints a long integer.
17	<u>void print(Object obj)</u> This method prints an object.
18	<u>void print(String s)</u> This method Prints a string.
19	<u>PrintStream printf(Locale l, String format, Object... args)</u>

	This is a convenience method to write a formatted string to this output stream using the specified format string and arguments.
20	<u>PrintStream printf(String format, Object... args)</u> This is a convenience method to write a formatted string to this output stream using the specified format string and arguments.
21	<u>void println()</u> This method terminates the current line by writing the line separator string.
22	<u>void println(boolean x)</u> This method prints a boolean and then terminate the line.
23	<u>void println(char x)</u> This method prints a character and then terminate the line.
24	<u>void println(char[] x)</u> This method prints an array of characters and then terminate the line.
25	<u>void println(double x)</u> This method prints a double and then terminate the line..
26	<u>void println(float x)</u> This method Prints a float and then terminate the line.
27	<u>void println(int x)</u> This method prints an integer and then terminate the line.
28	<u>void println(long x)</u> This method prints a long and then terminate the line.
29	<u>void println(Object x)</u> This method prints an Object and then terminate the line.
30	<u>void println(String x)</u> This method prints a String and then terminate the line.
31	<u>protected void setError()</u> This method sets the error state of the stream to true.
32	<u>void write(byte[] buf, int off, int len)</u> This method writes len bytes from the specified byte array starting at offset off to this stream.
33	<u>void write(int b)</u> This method writes the specified byte to this stream.

Methods inherited

This class inherits methods from the following classes:

- java.util.FilterOutputStream
- java.util.Object

